JAN 17 2007 W

REPLACEMENT SHEET 10/800,449

Figure 2A. DNA and deduced amino acid sequences of hG-CSF-L-vFc $_{\gamma 2}$

DNA SEQ ID NO: 17 Amino Acid Sequence SEQ ID NO: 18

aag Hind		ccc	aga	ccc	atg M -30	gct A	gga G	cct P	gcc A	acc T	cag Q	agc S	ccc P	atg M	aag K -20	ctg L	atg M	gcc A	ctg L	60
cag Q	ctg L	ctg L	ctg L	tgg W		agt S	gca A	ctc L	tgg ₩	aca T	gtg V	cag. Q	gaa E	gcc A -1		ccc P	ctg L	. G agc	cct P	120
gcc A	agc S	tcc S	ctg L	ccc P 10		agc S	ttc F	ctg L	ctc L	aag K	tgc C	tta L	gag E	_		agg R	aag K	atc I	cag Q	180
ggc G	gat D	ggc G	gca A		ctc L	cag Q	gag E	aag K	ctg L	tgt C	gcc A	acc T	tac Y		ctg L	tgc C	cac H	ccc P	gag E	240
gag E	ctg L	gtg V	ctg L	ctc L 50	gga G	cac H	tct S	ctg L	ggc G	atc I	CCC P	tgg W	gct A	ccc P 60	ctg L	agc S	agc S	tgc C	ccc P	300
agc S	cag Q	gcc A	ctg L	cag Q 70	ctg L	gca A	ggc G	tgc C	ttg L	agċ S	caa Q	ctc L	cat H	agc S 80	ggc G	ctt L	ttc F	ctc L	tac Y	360
cag Q	ggg G	ctc L	ctg L	cag Q 90	gcc A	ctg L	gaa E	ggg G	atc I	tcc S	ccc P	gag E	ttg L		ccc P	acc T	ttg L	gac D	aca T	420
ctg L	cag Q	ctg L	gac D	gtc V 110	gcc A	gac D	ttt F	gcc A	acc T	acc T	atc I	tgg W	cag Q	cag Q 120	atg M	gaa E	gaa E	ctg L	gga G	480
atg M	gcc A	cct P	gcc A	ctg L 130	cag Q	CCC P	acc T	cag Q	ggt G	gcc A	atg M	ccg P	gcc A	ttc F 140	gcc A	tct S	gct A	ttc F	cag Q	540
cgc R	cgg R	gca A	gga G	ggg G 150	gtc V	cta L	gtt V	gcc A	tcc S	cat H	ctg L	cag Q	agc S	ttc F 160	ctg L	gag E	gtg V	tcg S	tac Y	600
cgc R	gtt V	cta L	cgc R	cac H 170	ctt L	gcc A	cag Q	CCC P	gga G	tcc S	ggt G	ggc G	ggt G	tcc S 180	ggt G	gga G		gga G	agc S	660
ggc G	ggt G	gga G	gga G	tca S 190	gag E	cgc R	aaa K	tgt C	tgt C	gtc V	gag E	tgc C	cca P	ссд Р 200	tgc C	cca P	gca A	cca P	cct P	720
gtg V	gca A	gga G	ccg P	tca S 210	gtc V	ttc F	ctc L	ttc F	CCC P	cca P	aaa K	CCC P	aag K	gac D 220	acc T	ctc L	atg M	atc I	tcc S	780
cgg R.	acc T	cct P	gag E	gtc V 230	acg T	tgc C		gtg V	gtg V	gac D	gtg V	agc S	cac H	gaa E 240	gac D	ccc . P	gag E	gtc ·V	cag Q	840
ttc F	aac N	tgg W	tac Y	gtg V 250	gac D	ggc G	gtg V	gag E	gtg V	cat H	aat N	gcc A	aag K	aca T 260	aag K	cca P	cgg R	gag E	gag E	900
cag Q	ttc F	aac N	agc S	acg T 270	ttc F	cgt R		gtc V	agc S	gtc V	ctc L	acc T	gtt V	gtg V 280	cac H	cag Q	gac D	tgg W	ctg L	960
aac N	ggc G	aag K	gag E	tac Y 290	aag K	tgc C	aag K	gtc V	tcc S	aac N	aaa K	ggc G	ctc L	сса Р 300	gcc A	<u>t</u> cc <u>s</u>	atc I	gag E	aaa K	1020
acc T	atc I	tcc S	aaa K	acc T 310	aaa K	ggg G	cag Q	CCC P	cga R	gaa E	cca P	cag Q	gtg V	tac Y 320	acc T	ctg L	ccc P	cca P	tcc S	1080
cgg R	gag E	gag E	atg M	acc T 330	aag K	aac N	cag Q	gtc V		ctg L	acc T		ctg L	gtc V 340	aaa K	ggc G	ttc F	tac Y	CCC P	1140
ago s	C ga D			cc gt V		ag to W		ag ag						ag aa N			ac aa K	ag ad	cc aca	1200
				350 gac D		gac D					_			360 aag K				_	_	1260
agc S	agg R	tgg W	cag Q	370 cag Q 390	999 G	aac N	gtc V	ttc F	tca \$	tgc C	tcc S	gtg V	atg M	Н	gag E	gct A	ctg L	cac H	aac N	1320
cac H	tac Y	acg T	cag Q		agc S	ctc L	tcc S	ctg L	tct S	ccg P	ggt G	aaa K 418	tga		ttc RI				٠	1368

Figure 2B. DNA and deduced amino acid sequences of hG-CSF-L-vFc $_{\gamma4}$

DNA SEQ ID NO: 19 Amino Acid Sequence SEQ ID NO: 20

				•				-		-										
	ctt dIII	ccc	aga	ccc	atg M -30	gct A	gga G	cct P	gcc A	acc T	cag Q	agc \$	CCC P	atg M	aag K -20	ctg L	atg M	gcc A	ctg L	60
cag Q	ctg L	ctg L	ctg L	tgg W	cac H -10	agt S	gca A	ctc L	tgg W	aca T	gtg V	cag Q	gaa E	gcc A -1		CCC P	ctg L	ggc G	cct P	120
gcc A	agc S	tcc S	ctg L	ccc P 10	cag Q	agc S	ttc F	ctg L	ctc L	aag K	tgc C	tta L	gag E			agg R	aag K	atc I	cag Q	180
ggc G	gat D	ggc G	gca A		ctc L	cag Q	gag E	aag K	ctg L	tgt C	gcc A	acc T	tac Y		ctg L	tgc C	cac H	ccc P	gag E	240
gag E	ctg L	gtg V	ctg L		gga G	cac H	tct S	ctg L	ggc G	atc I	ccc P	tgg W	gct A		ctg L	agc S	agc S	tgc C	CCC P	300
agc S	cag ·Q	gcc A	ctg L		ctg L	gca A	ggc G	tgc C	ttg L	agc S	caa Q	ctc L	cat H		ggc G	ctt L	ttc F	ctc L	tac Y	360
cag Q	g ggg	ctc L	ctg L	-	gcc A	ctg L	gaa E	ggg G	atc I	tcc S	ccc P	gag E	ttg L		CCC P	acc T	ttg L	gac D	aca T	420
ctg L	cag Q	ctg L	gac D		gcc A	gac D	ttt F	gcc A	acc T	acc T	atc I	tgg W	cag Q		atg M	gaa E	gaa E	ctg L	gga G	480
atg M	gcc A	cct P	gcc A		cag Q	ccc P	acc T	cag Q	ggt G	gcc A	atg M	ccg P	gcc A		gcc A	tct S	gct A	ttc F	cag Q	540
cgc R	cgg R	gca A	gga G		gtc V	cta L	gtt V	gcc A		cat ·H	ctg L	cag Q	agc S	ttc F	ctg L	gag E	gtg V	tcg S	tac Y	600
cgc R	gtt V	cta L	cgc R		ctt L	gcc A	cag Q	CCC P	gga G	tcc S	ggt G	ggc G	ggt G	S	ggt G	gga G	ggc G	gga G	agc S	660
ggc G	ggt _. G	gga G	gga G		gag E	tcc S	aaa K	tat Y	ggt G	ccc P	cca P	tgc C	cca P	<u>P</u>	tgc C	cca P	gca A	cct P	gag E	720
ttc F	gcg <u>A</u>	ggg G	gga G		tca S	gtc V	ttc F	ctg L	ttc F	ccc P	cca P	aaa K	ccc P	K	gac D	act T	ctc L	atg M	atc I	780
tcc S	cgg R	acc T	cct P		gtc V	acg T		gtg V		gtg V	gac D	gtg V	agc S	Q	gaa E	gac D	ccc P	gag E	gtc V	840
cag Q	ttc F	aac N	tgg W		gtg V	gat D	ggc G	gtg V	gag E	gtg V	cat H	aat N	gcc A	K	aca T	aag K	ccg P	cgg R	gag E	900
gag E	cag Q	ttc F	aac N		acg T	tac Y	cgt R	gtg V	gtc V	agc S	gtc V	ctc L	acc T	V	ctg L	cac H	cag Q	gac D	tgg W	960
ctg L	aac N	ggc G	aag K	gag E	tac Y	aag K	tgc C	aag K	gtc V		aac N	aa a K	ggc G	L	ccg P	tcc S	tcc S	atc I	gag E	1020
aaa K	acc T	atc I	tcc S	K	gcc A	aaa K	ggg G	cag Q	ccc P	cga R	gag E	cca P	cag Q	V	tac Y	acc T	ctg L	ccc P	cca P	1080
tcc S	cag Q	gag E	gag E	M	acc T	aag K	aac N	cag Q	gtc V	agc S	ctg L	acc T	tgc C	L	gtc V	aaa K	ggc G	ttc F	tac Y	1140
ccc P	agc S	gac D	atc I	330 gcc A 350	gtg V	gag E	tgg W	gag E	agc S	aat N	ggg G	cag Q	ccg P	E	aac N	aac N	tac Y	aag K	acc T	1200
acg T	cct P	ccc P	gtg V	ctg L	gac D	tcc S	gac D	ggc G	tcc S	ttc F	ttc F	ctc L	tac Y	S	agg R	cta L	acc T	gtg V	gac D	1260
aag K	agc S	agg R	tgg W	Q	gag E	ggg G	aat N	gtc V	ttc F	tca S	tgc C	tcc S	gtg V	M	cat H	gag E	gct A	ctg L	cac H	1320
aac N	cac H	tac Y	aca T	390 cag Q 410	aag K		ctc L	tcc S	ctg L	tct S		ggt G	aaa K 419	400 tga	gaa <i>Ecc</i>					1371

Figure 2C. DNA and deduced amino acid sequences of hG-CSF-L-vFc $_{\gamma 1}$

DNA SEQ ID NO: 21 Amino Acid Sequence SEQ ID NO: 22

ctt																			
III	ccc	aga	ccc	atg · M -30	gct A	gga G	cct P	gcc A	acc T	cag Q	agc S	ccc P	atg M	K	ctg L	atg M	gcc A	ctg L	60
ctg L	ctg L	ctg L	tgg W	cac H -10	agt S	gca A	ctc L	tgg W	aca T	gtg V	cag Q	gaa E	gcc A -1	acc T	ccc P	ctg L	ggc G	cct P	120
agc S	tcc S	ctg L	ccc P 10	cag Q	agc S	ttc F	ctg L	ctc L	aag K	tgc C	tta L	gag E	caa Q 20	gtg V	agg R	aag K	atc I	cag Q	180
gat D	ggc G	gca A	gcg 30	ctc L	Cag Q	gag E	aag K	ctg L	tgt C	gcc A	acc T	tac Y	aag K 40	ctg L	tgc C	cac H	ccc P	gag E	240
ctg L	gtg V	ctg L	ctc L 50	gga G	cac H	tct S	ctg L	ggc G	atc I	ccc P	tgg W	gct A	ccc P 60	ctg L	agc S	agc S	tgc C	ccc P	300
cag Q	gcc A	ctg L	cag Q 70	ctg L			tgc C	ttg L	agc S	caa Q	ctc L	cat H	S	ggc G	ctt L	ttc F	ctc L	tac Y	360
ggg G	ctc L	ctg L	cag Q 90	gcc A	ctg L	gaa E	ggg G	atc I	tcc S	ccc P	gag E	ttg L	ggt G	ccc P	acc T	ttg L	gac D	aca T	420
cag Q	ctg L	gac D	gtc V 110	gcc A	gac D	ttt F	gcc A	acc T	acc T	atc I	tgg W	cag Q	cag Q	atg M	gaa E	gaa E	ctg L	gga G	480
gcc A	cct P	gcc A	ctg L 130	cag Q	ccc P	acc T	cag Q	ggt G	gcc A	atg M	ccg P	gcc A	ttc F	gcc A	tct S	gct A	ttc F	cag Q	540
cgg R	gca A	gga G	ggg G	gtc V	cta L	gtt V	gcc A	tcc S	cat H	ctg L	cag Q	agc S	ttc F	ctg L	gag E	gtg V	tcg S	tac Y	600
gtt V	cta L	cgc R	cac H	ctt L	gcc A	cag Q	ccc P	gga G	tcc S	ggt G	ggc G	ggt G	tcc S	ggt G	gga G	ggc G	gga G	agc S	660
ggt G	gga G	gga G	tca S	gac D	aaa K	act T	cac H	aca T	tgc C	cca P	ccg P	tgc C	cca P	gca A	cct P	gaa E	<u>g</u> tc	gcg <u>A</u>	720
gga G	ccg P	tca S	gtc V	ttc F	ctc L	ttc F	CCC P	cca P	aaa K	CCC P	aag K	gac D	acc T	ctc L	atg M	atc I	tcc S	cgg R	780
cct P	gag E	gtc V	aca T	tgc C	gtg V	gtg V	gtg V	gac D	gtg V	agc S	cac H	gaa E	gac D	cct P	gag E	gtc V	aag K	ttc F	840
tgg W	tac Y	gtg V	gac D	ggc G	gtg V	gag E	gtg V	cat H	aat N	gcc A	aag K	aca T	aag K	ccg P	cgg R	gag E	gag E	cag Q	900
aac N	agc S	acg T	tac Y	cgg R	gtg V	gtc V	agc S	gtc V	ctċ L	acc T	gtc V	ctg L	cac H	cag Q	gac D	tgg W	ctg L	aat N	960
aag K	gag E	tac Y	aag K	tgc C	aag K	gtc V	tcc S	aac N	aaa K	gcc A	ctc L	cca P	gcc A	<u>t</u> cc <u>s</u>	atc I	gag E	aaa K	acc T	1020
tcc S	aaa K	gcc A	aaa K	ggg G	cag Q	CCC P	cga R	gaa E	cca P	cag Q	gtg V	tac Y	acc T	ctg L	ccc P	cca P	tcc S	cgg R	1080
gag E	ctg L	acc T	aag K	aac N	cag Q	gtc V	agc S	ctg L	acc T	tgc C	ctg L		aaa K	ggc G	ttc F	tat Y	ccc P	agc S	1140
atc I	gcc A	gtg V	gag E	tgg W	gag E	agc S	aat N	ggg G	cag Q	ccg P	gag E	aac N	aac N	tac Y	aag K	acc T	acg T	cct P	1200
gtg V	ctg L	gac D	tcc S	gac D	ggc G	tcc S	ttc F	ttc F	ctc L	tac Y	agc S	aag K	ctc L	acc T	gtg V	gac D	aag K	agc S	1260
tgg W	cag Q	cag Q	ggg G	aac N	gtc V	ttc F	tca S	tgc C	tcc S	gtg V	atg M	cat H	gag E	gct A	ctg L	cac H	aac N	cac H	1320
acg T	cag Q	aag K		ctc L	tcc S	ctg L	tct S	ccg P	ggt G	aaa K 417	tga		ttc						1365
	CL AS GD CL CQ GG CQ CA GR tV tG GG CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GK CS GE LI GV GW GC CP GW CN GW	ct c	ctg ctg ctg L L Ctg age tcc ctg gat ggc gca D gc ctg Ctg y Ctg y Ctg y Ctg Ctg y Ctg y Ctg y Ctg Ctg y	ctg ctg ctg tgg L L L W agc tcc ctg ccc S L P qcc g g gcd gcg D g gcd gcg D g gcd ctg C ctg cag gcd C ctg cag gcd Q A L Q g ct ctg cag Q A L Q g ct ctg cag g ct ctg cag g ct ctg cag g g g g g g g g g g g g g g g g g g g g g g g g <td>ctg ctg ctg tgg cac L L L W H -10 agc tcc ctg ccc cag S S L P Q ggt ggc gcg ctc cag ctg gcc ctg gga ctc gga L V L L G cga ctg cag gcc ctg cag ctg ctg cag ctg ctg cag ctg ctg cag ctg ctg ctg ctg cag ctg ctg cag ctg ctg</td> <td>ctg ctg ctg tgg cac agt L L L W H S -10 agc ccc cag agc S L P Q S 10 gcg gcg gcc cag agc gd ggc gcg gcg ctc agc cag cac L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q P A L Q P A L Q P A L Q P <td< td=""><td>ctg ctg ctg tgg cac agt gca L L L W H S A agc tcc ctg ccc cag agc ttc s S L P Q S F gad ggc gcc ctc cag gag ttc gg gg ctc cag ctc cag gag gag ttc ttc cag gag ctc ttc cag gag ctc ttc cag gag gac ttc ttc ttc ttc cag gag gac ttc ttc ttc gag gac ttc ttc gag gac ttc ttc gac gac ttc ttc gac ttc ttc gac ttc ttc gac acc acc acc acc acc acc acc acc acc<!--</td--><td>ctg ctg ctg tgg cac agt gca ctc L L L W H S A L agc tcc ctg ccc cag agc ttc ctg agc tcc ctg ccc cag agc ttc ctg gtg gcg gcc gcg ctc cag gag aag ctg gtg ctg ctc gg cat tct ctg cag gcc ctg cag ctg gaa ggc tct ctg gaa ggg tc ctg cag ggc tct ctg gaa ggg tc ctg cag ggc ctg ctg cc ctg cag ggc ctg cag cc cag ggg tc ctag ggg tc ctag cc cag cc cag cc c</td><td>ctg ctg ctg tgg cac agt gca ctc tgg L L L W H S A L W agc tcc ctg ccc cag agc ttc ctg ctc S L P Q S F L L gat tgc ctc cag agg aag ctg ctg ctg tgc ctc cag cac tct ttg ctc ttg ccc ttg ttt ttg ccc ttg ttg</td><td> Ctg Ctg Ctg Ctg Cac agt gca ctc tgg aca </td><td> Section Sect</td><td> </td><td>-30 L L L W H S A L W T V Q E -10 age tec etg gea age tte etg gea age gea gea gea gea gea gea gea ge</td><td>-30 L L L W H H S A L W T V Q E A T -10 age tcc ctg ccg age age ttc ctg ctc aag tgc tta age age age age age tcc ctg ccc ag age ttc ctg ctc aag tgc tta age age age age tcc ctg ccc ag age ttc ctg ctc aag tgc tta age age age age age age age age age ag</td><td>-30</td><td></td><td></td><td>-30 -30 -30 -30 -30 -30 -30 -30 -30 -30</td><td> 1</td></td></td<></td>	ctg ctg ctg tgg cac L L L W H -10 agc tcc ctg ccc cag S S L P Q ggt ggc gcg ctc cag ctg gcc ctg gga ctc gga L V L L G cga ctg cag gcc ctg cag ctg ctg cag ctg ctg cag ctg ctg cag ctg ctg ctg ctg cag ctg ctg cag ctg ctg	ctg ctg ctg tgg cac agt L L L W H S -10 agc ccc cag agc S L P Q S 10 gcg gcg gcc cag agc gd ggc gcg gcg ctc agc cag cac L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q A L Q P A L Q P A L Q P A L Q P <td< td=""><td>ctg ctg ctg tgg cac agt gca L L L W H S A agc tcc ctg ccc cag agc ttc s S L P Q S F gad ggc gcc ctc cag gag ttc gg gg ctc cag ctc cag gag gag ttc ttc cag gag ctc ttc cag gag ctc ttc cag gag gac ttc ttc ttc ttc cag gag gac ttc ttc ttc gag gac ttc ttc gag gac ttc ttc gac gac ttc ttc gac ttc ttc gac ttc ttc gac acc acc acc acc acc acc acc acc acc<!--</td--><td>ctg ctg ctg tgg cac agt gca ctc L L L W H S A L agc tcc ctg ccc cag agc ttc ctg agc tcc ctg ccc cag agc ttc ctg gtg gcg gcc gcg ctc cag gag aag ctg gtg ctg ctc gg cat tct ctg cag gcc ctg cag ctg gaa ggc tct ctg gaa ggg tc ctg cag ggc tct ctg gaa ggg tc ctg cag ggc ctg ctg cc ctg cag ggc ctg cag cc cag ggg tc ctag ggg tc ctag cc cag cc cag cc c</td><td>ctg ctg ctg tgg cac agt gca ctc tgg L L L W H S A L W agc tcc ctg ccc cag agc ttc ctg ctc S L P Q S F L L gat tgc ctc cag agg aag ctg ctg ctg tgc ctc cag cac tct ttg ctc ttg ccc ttg ttt ttg ccc ttg ttg</td><td> Ctg Ctg Ctg Ctg Cac agt gca ctc tgg aca </td><td> Section Sect</td><td> </td><td>-30 L L L W H S A L W T V Q E -10 age tec etg gea age tte etg gea age gea gea gea gea gea gea gea ge</td><td>-30 L L L W H H S A L W T V Q E A T -10 age tcc ctg ccg age age ttc ctg ctc aag tgc tta age age age age age tcc ctg ccc ag age ttc ctg ctc aag tgc tta age age age age tcc ctg ccc ag age ttc ctg ctc aag tgc tta age age age age age age age age age ag</td><td>-30</td><td></td><td></td><td>-30 -30 -30 -30 -30 -30 -30 -30 -30 -30</td><td> 1</td></td></td<>	ctg ctg ctg tgg cac agt gca L L L W H S A agc tcc ctg ccc cag agc ttc s S L P Q S F gad ggc gcc ctc cag gag ttc gg gg ctc cag ctc cag gag gag ttc ttc cag gag ctc ttc cag gag ctc ttc cag gag gac ttc ttc ttc ttc cag gag gac ttc ttc ttc gag gac ttc ttc gag gac ttc ttc gac gac ttc ttc gac ttc ttc gac ttc ttc gac acc acc acc acc acc acc acc acc acc </td <td>ctg ctg ctg tgg cac agt gca ctc L L L W H S A L agc tcc ctg ccc cag agc ttc ctg agc tcc ctg ccc cag agc ttc ctg gtg gcg gcc gcg ctc cag gag aag ctg gtg ctg ctc gg cat tct ctg cag gcc ctg cag ctg gaa ggc tct ctg gaa ggg tc ctg cag ggc tct ctg gaa ggg tc ctg cag ggc ctg ctg cc ctg cag ggc ctg cag cc cag ggg tc ctag ggg tc ctag cc cag cc cag cc c</td> <td>ctg ctg ctg tgg cac agt gca ctc tgg L L L W H S A L W agc tcc ctg ccc cag agc ttc ctg ctc S L P Q S F L L gat tgc ctc cag agg aag ctg ctg ctg tgc ctc cag cac tct ttg ctc ttg ccc ttg ttt ttg ccc ttg ttg</td> <td> Ctg Ctg Ctg Ctg Cac agt gca ctc tgg aca </td> <td> Section Sect</td> <td> </td> <td>-30 L L L W H S A L W T V Q E -10 age tec etg gea age tte etg gea age gea gea gea gea gea gea gea ge</td> <td>-30 L L L W H H S A L W T V Q E A T 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